

HW7, PHYSICS 127A

1. Calculate for the following differential amplifier circuit:
 - (a) The quiescent voltages and currents.
 - (b) The effective “tail” resistance of the JFET current source for a 2N5484 n-channel JFET, calculated from the slope of the I_D vs V_{DS} curve (shown in Fig. 3.17, page 127 of HH.)
 - (c) The differential and common mode gains.

